

In the claims:

Amend claim 1 to read as follows:

1. A method of exchanging information between at least some slots of a first T-carrier and some other non-coincident slots of a second T-carrier, such method comprising the steps of:

exchanging information between successive slots of the first T-carrier and respective predetermined memory locations within a memory device;

exchanging information between successive slots of the second T-carrier and at least some of the predetermined locations in memory of the first T-carrier based upon a channel-exchange list relating at least some channels of the first T-carrier to at least some other channels of the second T-carrier; and

compressing the information from successive slots of the first T-carrier.

Amend claim 6 to read as follows:

6. The method of exchanging information as in claim 5 wherein the step of exchanging information between successive slots of the second T-carrier and at least some of the predetermined locations in memory of the first T-carrier based upon a channel-exchange list further comprises incrementing a second counter coincident with a slot progression of the second T-carrier.

*A1*

Amend claim 8 to read as follows:

~~8. The method of exchanging information as in claim 7 further comprising determining the predetermined memory locations of the first T-carrier by adding an output of the second counter to a base memory address of the lookup table.~~

*A2*

Amend claim 9 to read as follows:

~~9. The method of exchanging information as in claim 8 further comprising retrieving a predetermined memory location of the predetermined memory locations of the first T-carrier from a lookup table memory address determined by adding the output of the second counter and the base memory address of the lookup table.~~

*A3*

Amend claim 12 to read as follows:

~~12. The method of exchanging information as in claim 11 further comprising defining the second T-carrier as a plurality of T-carriers.~~

*A4*

Amend claim 16 to read as follows:

~~16. Apparatus for exchanging information between at least some slots of a first T-carrier and some other non-coincident slots of a second T-carrier, such apparatus comprising:~~

~~means for exchanging information between successive slots of the first T-carrier and respective predetermined memory locations within a memory device;~~

*Off Cont.*

means for exchanging information between successive slots of the second T-carrier and at least some of the predetermined locations in memory of the first T-carrier based upon a channel-exchange list relating at least some channels of the first T-carrier to at least some other channels of the second T-carrier; and

means for compressing the information from successive slots of the first T-carrier.

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*↓*  
Delete, without prejudice, claim 17.

Amend claim 18 to read as follows:

*Vb  
aq*

18. The method of exchanging information as in claim 17 wherein the step of compressing the information from the successive slots of the first T-carrier further comprises storing both compressed and uncompressed versions in the predetermined memory locations of the memory device.

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Amend claim 28 to read as follows:

*ab  
bl  
a10*

28. The apparatus for exchanging information as in claim 24 further comprising means for determining the predetermined memory locations of the first T-carrier by adding an output of the second counter to a base memory address of the lookup table.

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Amend claim 29 to read as follows:

29. The apparatus for exchanging information as in claim 28 further comprising means for retrieving a predetermined memory location of the predetermined memory locations of

*A10 Cont*

the first T-carrier from a lookup table memory address determined by adding the output of the second counter and the base memory address of the lookup table.

Amend claim 35 to read as follows:

*Sub B*

35. Apparatus for exchanging information between at least some slots of a first T-carrier and some other non-coincident slots of a second T-carrier, such apparatus comprising:

a first address controller adapted to exchange information between successive slots of the first T-carrier and respective predetermined memory locations within a memory device;

a second address controller adapted to exchange information between successive slots of the second T-carrier and at least some of the predetermined locations in memory of the first T-carrier based upon a channel-exchange list relating at least some channels of the first T-carrier to at least some other channels of the second T-carrier; and

an encoder adapted to compress the information from successive slots of the first T-carrier.

*All*

Amend claim 41 to read as follows:

*Sub B1 A12*

41. The apparatus for exchanging information as in claim 39 further comprising an adder adapted to determine the predetermined memory locations of the first T-carrier, by adding an output of the second counter to a base memory address of the lookup table.

*M*  
*o*

Amend claim 42 to read as follows:

42. The apparatus for exchanging information as in claim  
41 further comprising a memory controller adapted to  
retrieve a predetermined memory location of the  
predetermined memory locations of the first T-carrier from  
a lookup table memory address determined by adding the  
output of the second counter and the base memory address of  
the lookup table.

*M*  
*o*  
*rk*

Amend claim 43 to read as follows:

43. The apparatus for exchanging information as in claim  
35 wherein the first T-carrier further comprises a  
plurality of T-carriers.

Amend claim 44 to read as follows:

44. The apparatus for exchanging information as in claim  
35 further comprising a multiplexer adapted to multiplex  
information between the predetermined locations of the  
first T-carriers and the second T-carrier.

Amend claim 45 to read as follows:

45. A method of exchanging information between a first  
plurality of T-carriers and a second T-carrier coupled to a  
T-carrier interface device, such method comprising the  
steps of: